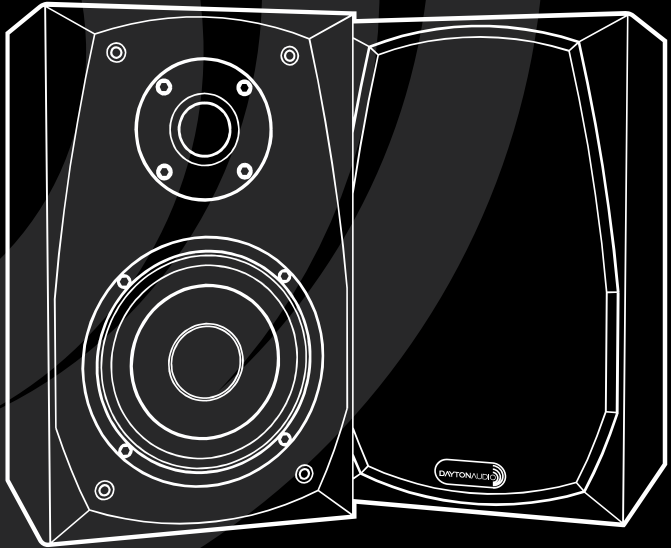




# POWERED BLUETOOTH 2-WAY BOOKSHELF SPEAKER PAIR

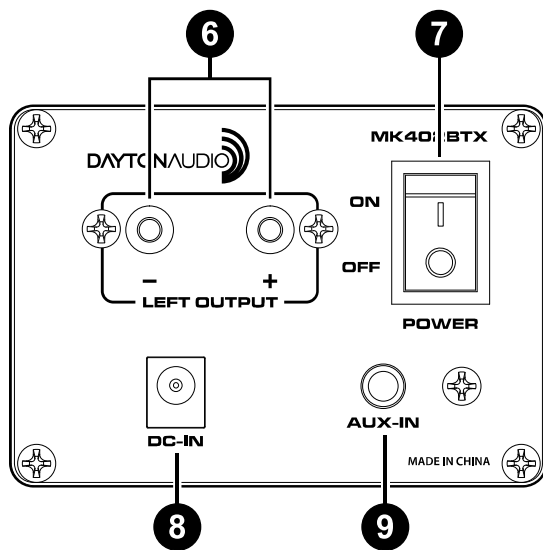
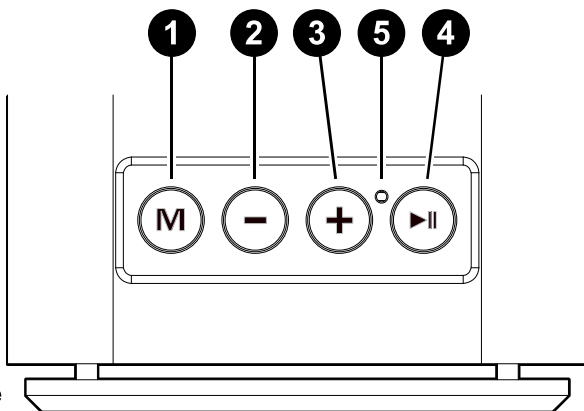
Model: MK402BTX User Manual



Thank you for purchasing the Dayton Audio® MK402BTX speaker. Dayton Audio loudspeakers are designed to provide exceptional performance and maximum value. Please read on to discover how to get the most from your new speakers.

## CONTROLS, CONNECTIONS, AND FUNCTIONS

1. MODE switches between Bluetooth and AUX modes.
2. VOLUME DOWN (short press) / PREVIOUS TRACK (press and hold, Bluetooth mode only)
3. VOLUME UP (short press) / NEXT TRACK (press and hold, Bluetooth mode only)
4. PLAY / PAUSE (Bluetooth mode only)
5. LED INDICATOR will indicate Bluetooth pairing mode by flashing blue quickly. When paired, it will remain solid blue. When in AUX mode, it will be solid red.
6. BINDING POSTS are used to connect the Master speaker to the Slave speaker. See below.
7. POWER SWITCH turns the unit on and off.
8. POWER IN is used to connect the included power adapter.
9. AUX IN is used to connect line level devices via wired 3.5 mm cable.



## CONNECTING YOUR SPEAKERS

With the power turned OFF, use the included speaker wire or other high quality wire for the connection between the Master and Slave speakers. For distances up to 10 feet, conventional 18AWG wire is acceptable. For longer runs, heavier wire should be used. For proper performance please observe correct polarity. To ensure proper polarity, connect the red Master terminal to the red Slave terminal and the black Master terminal to the black Slave terminal. Virtually all two-conductor wire is marked in some way to help you do this. One side will be marked with a colored stripe, a raised rib, or a different colored conductor. Use the marked side for the red (positive +) connections.

## **BLUETOOTH CONNECTION**

Turn the power switch ON. The speaker will enter pairing mode. Open the Bluetooth menu on your device and select "MK402BTX". You will hear two beeps when pairing is complete.

## **AUX CONNECTION**

Plug the included 3.5 mm cable into your device and the AUX IN jack (7).

**PLEASE NOTE:** for the best sound quality in Bluetooth or AUX mode, we recommend that your device's volume level be set no higher than 90%.

## **ROOM PLACEMENT**

Due to their well-behaved off-axis response and excellent dispersion, your new Dayton Audio speakers are less dependent upon placement than most loudspeakers. Often, simply placing them where they best fit into the decorating scheme is all that is necessary for exceptional performance.

If you are inclined to perform a more rigorous positioning exercise, the following tips will help you achieve all the performance that your system is capable of:

Carefully select a few recordings with which you are very familiar. Choose high quality recordings made with simple microphone placement techniques and with strong vocals by a single performer. Horns, strings, vocals, and drums should snap into place when the loudspeakers are optimally positioned.

Start with the speakers directly in front of your primary listening position. Viewed from your seat, the angle between the speakers should be 30 to 60 degrees. During the design of most Dayton Audio speakers, performance is optimized for a location 10-12 feet in front of the tweeter. If possible, position your speakers to take advantage of this. Avoid hard vertical edges within 3 or 4 feet of either side of the cabinets, and position them about 1-2 feet out from the wall.

Begin with one of the selected recordings, paying close attention to the positions of the instruments and vocalist. Adjust the speakers a few inches at a time, returning to the listening position to evaluate the results. Once placement is optimized, the vocalist will be firmly positioned in front of the instruments and the instruments will seem to be between or behind the loudspeakers.

Pay special attention to the bass. The relation between bass response and room position is critical. Tightly localized high and low pressure spots result from reflections at the room boundaries. Moving one or both of the loudspeakers just a few inches will rearrange thousands of hot and dead spots all over the room. The secret to proper positioning is to keep the worst of these spots from falling on the primary listening position. Position the speakers so that the bass levels are in proper perspective to the rest of the musical spectrum. Listen to several recordings so you can scrutinize the bass from a variety of instruments. The most common positioning error involves getting the bass level right for one note, but not for others.

Loudspeaker positioning can be time consuming, but the rewards justify the effort.

## **CABINET CARE**

The finish of your speakers can be maintained and enhanced by periodic use of a surface protector such as "Armor All®". The grills may be vacuumed or gently tapped or brushed to remove dust and debris.

### **SPECIFICATIONS:**

<b>Model:</b>	MK402BTX
<b>Description:</b>	4" 2-way powered bookshelf speaker pair
<b>Woofers:</b>	4" high excursion treated paper cone
<b>Tweeter:</b>	3/4" soft dome
<b>Finish:</b>	Black vinyl
<b>Output power:</b>	40W RMS/80W max
<b>DC power input:</b>	18VDC, 2A (120V AC adapter included)
<b>Max SPL (calculated):</b>	97 dB
<b>Response:</b>	60 Hz to 20,000 Hz
<b>THD+N:</b>	<0.7%
<b>Crossover:</b>	3.8 kHz, 1st order high-pass, 2nd order low-pass
<b>Port tuning frequency:</b>	50 Hz
<b>Dimensions:</b>	9-1/2" H x 5-3/4" W x 6-5/8" D* *Depth includes grill

**Note:** Grill is removable, non-see-through cloth

### **5-Year Limited Warranty**

See [daytonaudio.com](http://daytonaudio.com) for details



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